CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Intel Corporation

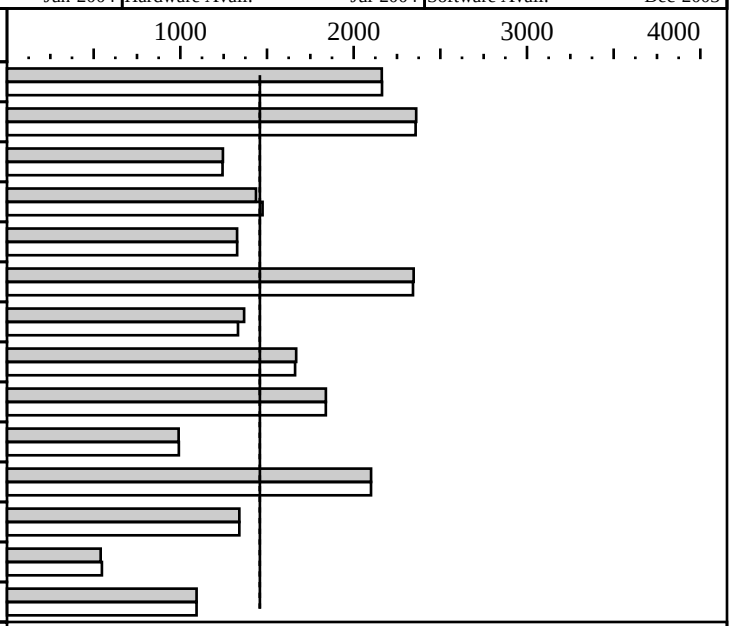
Intel D925XCV (AA-400) motherboard (3.0E GHz, Pentium 4 Processor with HT Technology)

SPECfp2000 = 1459

SPECfp_base2000 = 1458

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jun-2004 | Hardware Avail: Jul-2004 | Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	74.0	2162	74.0	2164
171.swim	3100	131	2361	132	2357
172.mgrid	1800	145	1246	145	1244
173.applu	2100	146	1437	142	1474
177.mesa	1400	105	1327	105	1328
178.galgel	2900	124	2346	124	2342
179.art	2600	190	1368	195	1333
183.equake	1300	77.9	1668	78.2	1662
187.facerec	1900	103	1840	103	1839
188.ammp	2200	222	990	222	991
189.lucas	2000	95.2	2100	95.2	2100
191.fma3d	2100	157	1340	157	1340
200.sixtrack	1100	204	540	201	548
301.apsi	2600	238	1094	238	1094



Hardware

CPU:	Intel Pentium 4 Processor with HT Technology (3.0E GHz, 800 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip with HT Technology enabled
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	1MB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	1 GB (2x512MB PC2-4300 DDRII 533 CL4-4-4 Micron MT16HTF6464AG-53EB2)
Disk Subsystem:	Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)
Other Hardware:	None

Software

Operating System:	Windows XP Professional Service Pack 1a
Compiler:	Intel C++ and Fortran Compiler 8.0 Build 20031017Z Microsoft Visual Studio .Net 7.0(for libraries) MicroQuill SmartHeap library V6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use (-QxP not used in PASS1)
Base tuning:  -QxP -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -QxP -fast -Qansi_alias +FDO
171.swim:     -QxP -fast -Qansi_alias +FDO
172.mgrid:    -QxP -fast -Qansi_alias +FDO
173.applu:    -QxP -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:     -QxP -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxP -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxP -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxP
189.lucas:    -QxP -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxP +FDO
301.apsi: -QxP -fast +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1
Product description located as of 6/2004:
http://developer.intel.com/design/motherbd/bc/index.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://www.intel.com/cd/channel/reseller/asmo-na/eng/products/box_desktop_boards/intel_boards/p4_boards/p4_dsk_board_d925xbc/index.htm
The system bus runs at 800 MHz
shlW32M.lib is the SmartHeap library V6.0 from http://www.microquill.com/smartheap/index.html
An PCIe-16 video card is installed and HT Technology is enabled